

## Diaphragm Pump and Anode Stream Recirculation System Using Such Pump for a Fuel Cell

### Abstract of the Disclosure

5 An anode stream recirculation system for a fuel cell, the fuel cell including an anode gas input and an anode gas output, the anode stream recirculation system comprising: an anode gas supply; a switch connected with the anode gas supply; a pressure regulating device connected between the switch and the anode gas input of the fuel cell; a diaphragm pump connected between the anode gas output and the  
10 anode gas input of the fuel cell thereby forming an anode gas recirculation; wherein the diaphragm pump has at least a sensor electrically connected with the switch.